

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 March 2005 (03.03.2005)

PCT

(10) International Publication Number
WO 2005/020178 A1

(51) International Patent Classification⁷: **G08C 17/02**,
G01S 7/285, G08B 1/08, 21/00

(21) International Application Number:
PCT/CA2004/001504

(22) International Filing Date: 20 August 2004 (20.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/497,017 22 August 2003 (22.08.2003) US

(71) Applicant (for all designated States except US): **STRATEGIC TECHNOLOGIES INC.** [CA/CA]; Building A #102, 17802 - 66th Avenue, Surrey, British Columbia V3S 7X1 (CA).

(72) Inventor; and

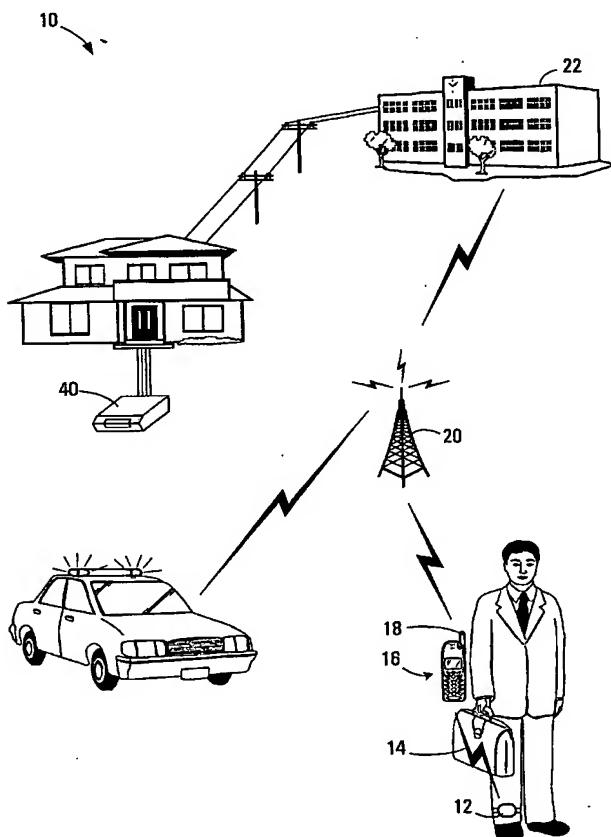
(75) Inventor/Applicant (for US only): **BLAKEWAY, Douglas, H.** [CA/CA]; 1233-231st Street, Langley, British Columbia V2Z 2X1 (CA).

(74) Agents: **KNOX, John, W.** et al.; Smart & Biggar, Box 11560, Vancouver Centre, 650 West Georgia Street, Suite 2200, Vancouver, British Columbia V6B 4N8 (CA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: ELECTRONIC LOCATION MONITORING SYSTEM



(57) Abstract: A method and apparatus for operating a monitoring unit operable to receive signals from a mobile transmitter in an electronic location monitoring system involves causing a first receiver to change a signal reception threshold thereof for receiving signals from the mobile transmitter, in response to proximity of the monitoring unit relative to a reference position whereby the receiver rejects signals received from the mobile transmitter that have a signal strength below the signal reception threshold and receives and processes signals received from the mobile transmitter that have a signal strength above the signal reception threshold. Alternatively, detection of a first monitoring unit in proximity to a second monitoring unit may cause the second monitoring unit to take over receiving signals from the mobile transmitter while the first monitoring unit is put into a low power mode.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*